

Thurston County Bridge Weight Restrictions

Public Hearing– August 24, 2021



Purpose

- Bridge Load Rating Overview
- Recent Federal Highway Administration (FHWA) Load Rating Requirements
- Yelm Highway Bridge (O-12) (over Railroad Tracks)
- Next Steps

Bridge Load Rating Overview

What is a bridge load rating?

- An evaluation to determine if a vehicle can safely cross a bridge
- Required on all new, widened or rehabilitated structures
- Reevaluate rating as conditions change

Who sets requirements?

- Federal Highway Administration (FHWA) as laid out in the National Bridge Inspection Standards

Bridge Load Rating Overview

- FHWA occasionally updates standards to reflect current vehicles using the system
- Holmes Island Road bridge is currently weight restricted



Recent FHWA Load Rating Requirements

- Emergency Response Vehicles
- Special Hauling Vehicles

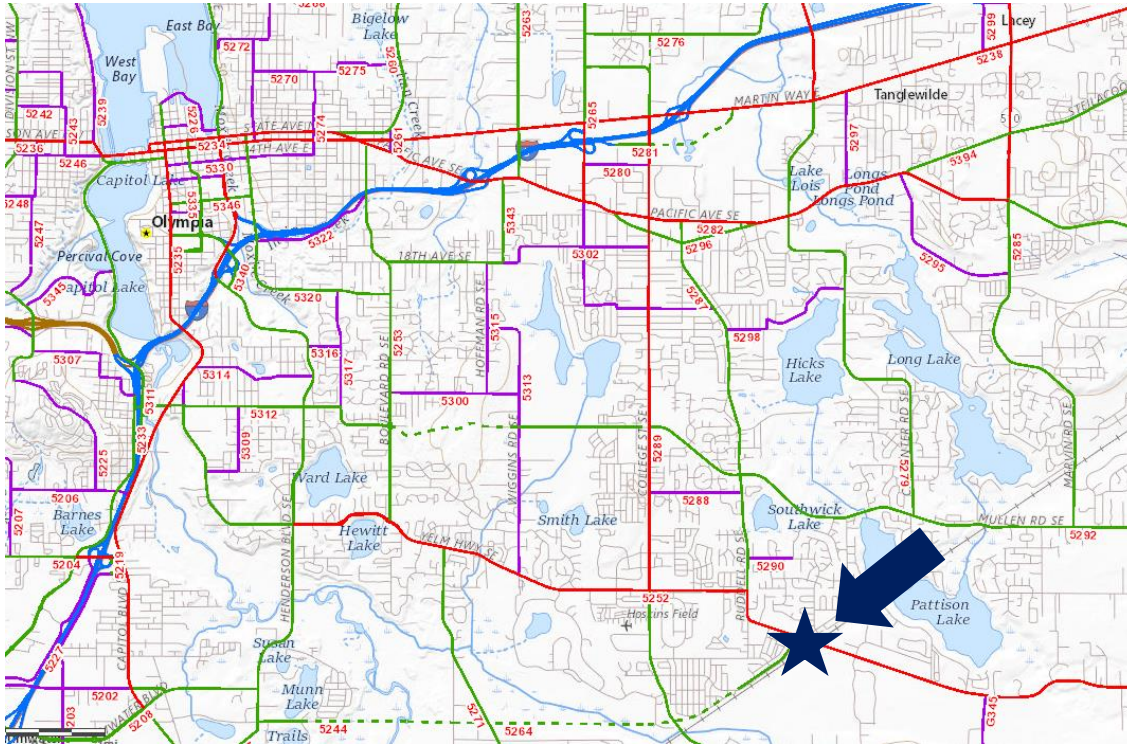


Load Rating Update

LOAD RATING SUMMARY			
Structure Type	Completed Load Ratings	Weight Restrictions Needed	
		Emergency Vehicles	Special Hauling Vehicles
Bridge	98	0	1
Culvert	33	0	0
Totals	131*	0	1

* Trail bridges were not load rated

Yelm Highway Bridge (0-12) (over Railroad Tracks)



-Location:

- East of Lacey City Limits
- West of Centennial Amtrak Station

-Arterial Roadway

-12,000 vehicles/day

Yelm Highway Bridge (0-12) Weight Restriction



BRIDGE WEIGHT LIMIT SINGLE UNIT VEHICLES	
5 AXLES	30 TONS
6 AXLES	33 TONS
7 AXLES	37 TONS

- Type, Size and Location Report completed in 2017
- Replacement cost: \$15M

Who Can Still Drive on O-12?



What Vehicles Will Be Restricted?



Single unit vehicles with 5, 6 or 7 axles

Next Steps

- Request approval to weight restrict Yelm Highway Bridge (O-12) and remove weight restriction on Reeder Road Bridge (R-3) through ordinance
- Post weight restriction signs at the Yelm Highway Bridge (O-12)

Any Questions?